19. Examine in brief about Components of Hadoop Analyzing the Data with Hadoop. Give example.

20. Explain in detail about Querying Data in the Hive with example.

———————

NOVEMBER/DECEMBER 2025

FECA63A/FECS63A/CECA63A/CECS63A — BIG DATA ANALYTICS

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

Shanmuga Industries Arts & Science College T.V.Malai

1. What is Big data?
2. Relate about Data Acquisition.
3. Outline about Reservoir Sampling
4. Explain about Sketching in Data Mining.
5. Construct about Nature of Data.
6. Organize about Big Data Success Factor.
7. Examine about Map Reduce is used in Hadoop.
8. Analyze about Hadoop Yarn.
9. Explain in detail Framework in Big Data.
10. Construct in brief about Data Processing Operators in Pig.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Relate in brief about Challenges of Conventional Systems in Big Data with example.

Or

(b) Recall in detail about Characteristics of Big Data with example.

12. (a) Outline in brief about Counting Oneness in a Window with example.

Or

(b) Interpret in detail about Stock Market Predictions with example.

13. (a) Plan in brief about Big Data from Technology Perspective with example.

Or

(b) Construct in detail about Applications on Development in Hadoop with example.

Bhanuja Industries Arts & Science College T.V.Malai

14. (a) Analyze in brief about Map Reduce Features with example.

Or

(b) Survey in detail about Hadoop Environments with example.

15. (a) Interpret in detail about Applications on Big Data using Pig and Hive with example.

Or

(b) Elaborate in brief about Hive Services with example.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Relate in detail about Challenges with Big Data. Give example.

17. Outline in brief about the following with example:

(a) Real Time Analysis Platform

(b) Filtering Stream

18. Construct in detail about Data in the Ware House and Data in the Hadoop with example.